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NRO REVIEW COMPLETED



COB - 1750

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6 AUG 1962

MEMORANDUM FOR : Chief, Operations Division, OSA
THROUGH : Chief, Special Requirements Staff, OSA
SUBJECT : Additional Camera Operating Mode for the
CORONA/AERIAL Program
REFERENCE : COB-1703, dated 23 July 1962, Memorandum for
Chief, Development Division, OSA, from Chief,
Operations Division, OSA; Subject: Additional
Camera Operating Mode for the CORONA/AERIAL Program

1. It is feasible to provide independent individual operation of the master and slave cameras in the AERIAL configuration. Some additional electronics and a redesign of the programming techniques would be required.

2. The more complicated problem of command and control would require a detailed study by SETD to determine the best approach to the solution before proceeding further.

(a) The validity and urgency of the requirement must be established. SETD can be directed to perform an engineering evaluation of the modifications necessary to accomplish the objective, but must have a general timetable to work toward. For example, we have just awarded a contract to Itel for an additional five AERIAL units. Obviously, the easy method for initiating a design change is in a new production run rather than a modification to existing units.

(b) Is Operations willing to preprogram the stereo and mono flight lines? The effect on the current X and Y programming capability will have to be analyzed by SETD as well as the impact of the 15 channel Fairchild programmer scheduled for integration with the system on H-17.

(c) The auxiliary frame camera currently operates in conjunction with the master panoramic camera. Is this adequate or will there be a requirement to operate the auxiliary frame camera in conjunction with the slave panoramic when in monoscopic mode?

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3. It would cost very little money to have SETD investigate the over-all problem from the standpoint of complexity, reliability, cost and system integration. If you desire, this can be done at the next SETD meeting, scheduled on or about 12 August 1962.

Signed

Deputy Chief, Development Division
CGA-DD/R

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cc: AAD/SA

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[redacted] DD/OSA [redacted] (31 July 62)
(Retyped 6 August 62 - [redacted])

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